"On the Fructification of *Neuropteris heterophylla*, Brongniart." By Robert Kidston, F.R.S., L. and E., F.G.S. Received November 17,—Read December 3, 1903.

(Abstract.)

This paper contains a description of three small specimens of *Neuropteris heterophylla*, Brongt., each of which shows a fragment of a terminal portion of a pinna bearing a large Rhabdocarpous seed, about 3 cm. long and from 1·10—1·40 cm. wide. Their general form is oblong, but they taper from the centre into a micropylar point. To the fragments of the stems is attached one—in one case two—pinnules, identical in form and nervation to those of *Neuropteris heterophylla*, Brongt. One of the specimens also shows a subtending bract-like leaf.

These specimens further show that the example previously described by the writer as the fructification of *Neuropteris heterophylla*, which also bore characteristic barren pinnules of that species, must be the "male inflorescence" of the plant, though the structure of the bodies supported on the naked dichotomous branchlets cannot be clearly made out. *Neuropteris heterophylla* is, therefore, a typical member of the Cycadofilices.

The specimens bearing the "seeds" came from the middle coal measures of the South Staffordshire coal field and are preserved in small ironstone nodules. They were communicated to the writer for examination by Mr. H. W. Hughes, F.G.S., Dudley.